**GENERAL STORAGE AND USE**

**OWNER’S STATEMENT OF INTENDED USE**

**Occupancy Address:**

**Tenant: Telephone:**

**Owner: Telephone:**

**Owner’s Address:**

The review of this project indicates there is a potential for one or more of the hazardous operations, processes or storage listed below. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate information below, sign and return this form to:

South Metro Fire Department

Attention Fire Marshal

1650 Humboldt Ave.

West St. Paul, MN 55118

[ ] This building will not be used for one or more of the hazardous operations, processes or storage listed below.

[ ] This building will be used for one or more of the hazardous operations, processes or storage listed below. A fire department permit may be required.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Aerosol storage and/or retail display |  | Combustible fiber storage or handling |
|  | Combustible liquid storage or use |  | Compressed gases storage or use |
|  | Cryogenic fluid storage or use |  | Explosives/blasting agent storage |
|  | Gunpowder/primers storage or display |  | Fiberglass operations |
|  | Flammable liquid storage or use |  | Hazardous material storage or use |
|  | Motor vehicle repair operations |  | Spray finishing/Dip coating |
|  | Welding/Cutting |  | Woodworking |

[ ] This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for one or more of the hazardous operations, processes or storage listed above, and will be advised to contact the fire department for permits prior to occupancy.

If you have questions, please contact Linda McMillan at (651)552-4172 or by e-mail at lmcmillan@southmetrofire.com.

Owner’s signature Date

**HIGH-PILED OR RACK STORAGE**

**OWNER’S STATEMENT OF INTENDED USE**

**Occupancy Address:**

**Tenant: Telephone:**

**Owner: Telephone:**

**Owner’s Address:**

**Gross Building Area: sq. ft. Designated storage are(s): sq. ft.**

**Is the storage area accessible to the general public? [ ] Yes [ ] No**

The South Metro Fire Department’s review of this project indicates there is a potential for high-piled or rack storage as defined by the MN State Fire Code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate information below, sign and return this form to:

South Metro Fire Department

Attention Fire Marshal

1650 Humboldt Ave.

West St. Paul, MN 55118

If you have questions, please contact Linda McMillan at (651)552-4172 or by e-mail at lmcmillan@southmetrofire.com.

If additional fire protection features are required, you will be notified in writing.

[ ] This building will not be used for high-piled storage as defined by the code:

-- Storage in piles or on pallets, in racks or shelves where the material being stored will not exceed twelve (12) feet in height, or,

-- Tires, Group A plastics, flammable liquids, idle pallets or similar high hazard materials will not be stored above six (6) feet in height.

[ ] This building will be used for high-piled storage, and will be designed to conform to fire code requirements. A fire department permit is required.

NOTE: If you checked this box, please complete the attached supplemental form.

[ ] This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for high-piled storage, and will be advised to contact the fire department for permits prior to occupancy.

Owner’s signature Date

**HIGH-PILED OR RACK STORAGE**

**SUPPLEMENTAL APPLICATION**

**Occupancy Address:**

**Tenant: Telephone:**

Please answer all questions to the best of your ability. The detail of the description will help establish your commodity classification and storage fire protection requirements.

If you cannot answer these questions, please contact the Linda McMillan, Fire Marshal at (651) 552-4172 or by e-mail at lmcmillan@southmetrofire.com.

You may have to retain the services of a qualified fire protection engineer to evaluate the hazard and prepare a report for fire department review.

Mixed commodity classifications must be protected to the highest commodity classification shown unless it can be proved by engineering analysis the fire protection equipment can protect the hazard.

1. Describe the commodities to be stored. Provide a detailed description of the product(s), packing materials and containers. Products that are packaged with Group A expanded or non-expanded plastics should be described with the amount of each plastic by weight or volume.

|  |
| --- |
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2. Describe the method of storage. Provide a description of the method of storage such as in solid piles, on pallets (wood, steel or plastic), loose, racks (single, double or multiple-row), carousel, flow-through, bin box, etc.

|  |
| --- |
|  |
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|  |

3. Specify the amount of building area designated for high piled storage. Sq. ft.

4. Specify the maximum height the material will be stored. feet

FIRE DEPARTMENT USE ONLY

* Based on the information provided, the South Metro Fire Department has determined your commodity classification is Class \_\_\_\_\_\_, and the storage area is Class \_\_\_\_\_\_\_\_ . Deviations from the information supplied may require additional fire protection features.
* The South Metro Fire Department is unable to classify your commodity(ies). You will have to provide an engineering analysis for review and approval.

Please provide the following materials and/or information listed on the next page.

GENERAL

[ ] Floor plan showing the locations and dimensions of high-piled storage areas.

[ ] Location of required fire department access doors.

[ ] A description of the type of fire suppression and detection systems. Separate plans may be submitted for review later.

[ ] Type, location, dimensions and specifications of smoke removal and curtain board systems.

[ ] Location within storage areas of each commodity by class.

[ ] Location of commodities that are banded or encapsulated.

[ ] Useable storage height for each storage area.

[ ] Clearance between the top of storage and sprinkler deflectors for each area.

[ ] Aisle dimensions between each storage array.

[ ] Evacuation plan for areas that are accessible to the public.

If storage is on racks or shelves:

[ ] Verification the system is rack or shelf storage, or bin boxes greater than five (5) feet in any dimension.

[ ] Number of tiers within each rack, shelf or bin box system.

[ ] The use of solid or slatted decks.

[ ] Location and anticipated quantity of plastic pallets or bin boxes, if applicable.

[ ] Description of material from which plastic pallets or bin boxes are made.

[ ] Dimension and location(s) of transverse and longitudinal flue spaces.

[ ] Location and anticipated quantity of idle pallet storage area, if applicable.

If storage is solid-piled, palletized or small bin boxes:

[ ] Verification the system is solid-pile, palletized, shelves less than fifteen (15) feet high or bin boxes smaller than five (5) feet in any dimension.

[ ] Pile dimensions (length, width and height) for each storage array.

[ ] Maximum pile volume for each storage array.

[ ] Location and anticipated quantity of plastic pallets or bin boxes, if applicable.

[ ] Description of material from which plastic pallets or bin boxes are made.

[ ] Location and anticipated quantity of idle pallet storage area, if applicable.

If you have questions, please contact Linda McMillan at (651)552-4172or by e-mail at lmcmillan@southmetrofire.com.**AEROSOL STORAGE AND SALES**

**OWNER’S STATEMENT OF INTENDED USE**

**Occupancy Address:**

**Tenant: Telephone:**

**Owner: Telephone:**

**Owner’s Address:**

**Gross Building Area: sq. ft. Designated storage are(s): sq. ft.**

The South Metro Fire Department’s review of this project indicates there is a potential for storage and/or sales of hazardous aerosol products as defined by the MN State Fire Code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate information below, sign and return this form to:

South Metro Fire Department

Attention Fire Marshal

1650 Humboldt Ave.

West St. Paul, MN 55118

If you have questions, please contact Linda McMillan at (651)552-4172 or by e-mail at lmcmillan@soouthmetrofire.com.

If additional fire protection features are required, you will be notified in writing.

Aerosol products are classified as Level 1, 2, or 3 depending upon their chemical composition and propellant gas. Classifications can be obtained from the Material Safety Data Sheet (MSDS) for the product or from the box in which they are shipped. MSDS are available from the product manufacturer or distributor. Please note: **If aerosol-containing cartons are not marked to identify their classification, they are treated as Level 3 aerosols.**

[ ] This building will not be used for storage or retail display of five hundred (500) pounds net weight or more of Level 2 or 3 aerosols, or any amount of aerosols packaged in vent-release containers.

[ ] This building will be used for storage or retail display of five hundred (500) pounds net weight or more of Level 2 or 3 aerosols, or any amount of aerosols packaged in vent-release containers. A fire department permit is required.

NOTE: If you checked this box, please complete the attached supplemental form.

[ ] This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for aerosol storage and/or retail display, and will be advised to contact the fire department for permits prior to occupancy.

Owner’s signature Date

Please answer all questions. The detail of the description will help establish accurate code requirements.

Aerosol products are classified as Level 1, 2, or 3 depending upon their chemical composition and propellant gas. Classifications can be obtained from the Material Safety Data Sheet (MSDS) for the product or from the box in which they are shipped. MSDS are available from the product manufacturer or distributor. Please note: **If aerosol-containing cartons are not marked to identify their classification, they are treated as Level 3 aerosols.**

1. **Retail sales and Display**. Provide an estimated maximum quantity of the aerosols you intend to have in retail display at any time. (One pallet load of aerosols is approximately five hundred (500) net pounds.)

|  |  |
| --- | --- |
|  | Maximum Net Pounds |
| Level 2 |  |
| Level 3 |  |
| Vent Release Containers |  |

2. Storage. Provide an estimated maximum quantity of the aerosols you intend to have in storage at any time. (One pallet load of aerosols is approximately five hundred (500) net pounds.)

|  |  |
| --- | --- |
|  | Maximum Net Pounds |
| Level 2 |  |
| Level 3 |  |
| Vent Release Containers |  |

3. **Storage Array.** Storage will be on:

[ ] Shelves [ ] Racks [ ] Pallets [ ] Other

Shelf storage normally includes those shelves less than thirty (30) inches deep with shelves usually two (2) feet apart vertically. Rack storage includes larger storage arrangements and structures.

4. **Height.** The maximum storage height of aerosol containers will be feet. Aerosols in retails display may not exceed eight (8) feet in height on shelves, or six (6) feet in cartons.

5. **Aisles.** Aisles around storage will be feet wide. Aerosols in retail displays must have aisle widths four (4) feet wide on three (3) sides of the display.

6. **Relocation.** Once you have established the designated display or storage area, do you intend to move your aerosols? [ ] Yes [ ] No

Moving the aerosol storage or display may affect the performance of the building’s fire sprinkler system. A permanently designated storage and display are may be less costly.

**FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE**

**IN WHOLESALE AND RETAIL SALES**

**OWNER’S STATEMENT OF INTENDED USE**

**Occupancy Address:**

**Tenant: Telephone:**

**Owner: Telephone:**

**Owner’s Address:**

**Gross Building Area: sq. ft. Designated storage are(s): sq. ft.**

The South Metro Fire Department’s review of this project indicates there is a potential for the storage and/or sales of flammable or combustible liquids as defined by the local fire code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate box below, sign and return this form to:

South Metro Fire Department

Attention Fire Marshal

1650 Humboldt Ave.

West St. Paul, MN 55118

If you have questions, please contact Linda McMillan at (651)552-4172 or by e-mail at lmcmillan@southmetrofire.com.

If additional fire protection features are required, you will be notified in writing.

Flammable and combustible liquids are classified as Class I-A, I-B, I-C, II, III-A or III-B depending upon their flash point and boiling temperatures. Classifications can be obtained from the Material Safety Data Sheet (MSDS). MSDS are available from the product manufacturer or distributor.

[ ] This building will not be used for storage or retail display of flammable or combustible liquids exceeding the amounts listed on the top of the next page.

[ ] This building will be used for storage or retail display of flammable or combustible liquids exceeding the amounts listed on the top of the next page.A fire department permit is required.

NOTE: If you checked this box, please complete Part Two of this form.

[ ] This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for flammable or combustible liquid storage and/or retail display, and will be advised to contact the fire department for permits prior to occupancy.

Owner’s signature Date

EXEMPT AMOUNTS (Gallons) PER CONTROL AREA

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Unsprinklered Building | Sprinklered Building\* |
| Class I-A | 30 | 60 |
| Class I-B, I-C, II, III-A | 1,600 | 7,500 |
| Class III-B | 13,200 | Unlimited |

A control area is a space separated from the remainder of the building by one-hour fire resistive construction.

\* To qualify as a sprinklered building, special water application rates are required, and the ceiling height must not exceed 18 feet. Please have your sprinkler contractor contact the fire department for guidance.

PART TWO

1. **Container Sizes And Construction.** The maximum size of any one container will not exceed gallons.

Class I and II flammable and combustible liquids will be stored in [ ] metal and/or [ ] plastic containers.

2. **Storage array.** Storage will be on:

[ ] Shelves [ ] Racks [ ] Pallets [ ] Other

Shelf storage normally includes those shelves less than thirty (30) inches deep with shelves usually two (2) feet apart vertically. Rack storage includes larger storage arrangements and structures.

3. **Height.** The maximum storage height of containers will be feet. Maximum storage height is limited by the type of fire protection provided. The maximum storage height will be specified on your fire department permit.

**HAZARDOUS MATERIALS EXEMPT AMOUNT DECLARATION**

**Occupancy Address:**

**Tenant: Telephone:**

**Owner: Telephone:**

**Owner’s Address:**

The following information must be completed for the building department to properly assign the occupancy classification for your project, and the fire department to perform a fire code plan review.

**Please complete this information to the best of your ability, and check all that apply.**  If you do not know what the classification of your products is, please contact Linda McMillan at (651)552-4172 or by e-mail at lmcmillan@southmetrofire.com.

If additional fire protection features are required, you will be notified in writing.

|  |  |  |
| --- | --- | --- |
| 1. |  | This occupancy will not contain hazards materials in excess of the quantities listed in tables. |

If you checked box No. 1, you may need fire department permits, but no additional work on this Hazardous Materials Declaration is required. Please sign and return it to the fire department.

|  |  |  |
| --- | --- | --- |
| 2. |  | This occupancy will contain hazards materials of the type and quantities listed on the back of this report. |
|  |  |  |
| 3. |  | These materials will be stored in original, unopened containers. |
|  |  |  |
| 4. |  | These materials will be used indoors in open systems where products or vapors may be emitted to the atmosphere. |
|  |  |  |
| 5. |  | These materials will be used outdoors in open systems where products or vapors may be emitted to the atmosphere. |
|  |  |  |
| 6. |  | These materials will be used indoors in closed systems where products or vapors will not be emitted to the atmosphere. |
|  |  |  |
| 7. |  | These materials will be used outdoors in closed systems where products or vapors will not be emitted to the atmosphere. |

I understand, when required by the Building or Fire Departments, I must provide Material Data Safety Sheets (MSDS) and/or a hazardous materials inventory statement so an accurate hazard assessment may be made.

Owner’s signature Date

Where mixed units are listed, please circle gallons, pounds or cubic feet as appropriate.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PHYSICAL HAZARDS | Qty. in Storage | Unit | Qty. in Use | Unit |
| 1 | Combustible liquids |  | gals. |  | gals. |
|  | Class II |  | gals. |  | gals. |
|  | Class III-A |  | gals. |  | gals. |
|  | Class III-B |  | gals. |  | gals. |
| 2 | Combustible fibers |  | cu. ft. |  | cu. ft. |
| 3 | Cryogenic Fluids |  | gals. |  | gals. |
| 4 | Explosives |  | lbs. |  | lbs. |
| 5 | Blasting Agents |  | lbs. |  | lbs. |
| 6 | Gunpowder |  | lbs. |  | lbs. |
| 7 | Flammable solids |  | lbs. |  | lbs. |
| 8 | Flammable gases |  |  |  |  |
|  | Gaseous |  | cu. ft. |  | cu. ft. |
|  | Liquefied |  | cu. ft. |  | cu. ft. |
| 9 | Flammable Liquids |  |  |  |  |
|  | Class I-A |  | gals. |  | gals. |
|  | Class I-B |  | gals. |  | gals. |
|  | Class I-C |  | gals. |  | gals. |
| 10 | Organic Peroxides |  |  |  |  |
|  | Class I |  | lbs./gals. |  | lbs./gals. |
|  | Class II |  | lbs./gals. |  | lbs./gals. |
|  | Class III |  | lbs./gals. |  | lbs./gals. |
|  | Class IV |  | lbs./gals. |  | lbs./gals. |
| 11 | Oxidizers, other than gases |  |  |  |  |
|  | Class 1 |  | lbs./gals. |  | lbs./gals. |
|  | Class 2 |  | lbs./gals. |  | lbs./gals. |
|  | Class 3 |  | lbs./gals. |  | lbs./gals. |
|  | Class 4 |  | lbs./gals. |  | lbs./gals. |
| 12 | Oxidizing gases |  |  |  |  |
|  | Gaseous |  | cu. ft. |  | cu. ft. |
|  | Liquefied |  | cu. ft. |  | cu. ft. |
| 13 | Pyrophorics |  | lbs./cu.ft. |  | lbs./cu.ft. |
|  | Unstable (Reactives) |  | lbs./cu.ft./gals. |  | lbs./cu.ft./gals. |
| 14 | Water Reactive Materials |  | lbs./gals. |  | lbs./gals. |
| HEALTH HAZARDS | | | | | |
| 15 | Highly toxic and toxics |  |  |  |  |
|  | Solids |  | lbs. |  | lbs. |
|  | Liquids |  | cu.ft. |  | cu.ft. |
|  | Gases |  | gals. |  | gals. |
| 16 | Radioactive materials |  | lbs./cu.ft./gals. |  | lbs./cu.ft./gals. |
| 17 | Corrosives |  | lbs./cu.ft./gals. |  | lbs./cu.ft./gals. |
| 18 | Carcinogens, irritants, |  |  |  |  |
|  | sensitizers, other health |  |  |  |  |
|  | hazards |  | lbs./cu.ft./gals. |  | lbs./cu.ft./gals. |

**FIRE SPRINKLER SYSTEM PERMANENT RECORD**

**DO NOT REMOVE FROM FILE**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date: |  | Building Permit No.: | | |  | | | Fire Permit No.: | |  | |
| Occupancy Address: | | |  | | | | | | | | |
| Construction Type: | | | |  | | Area: |  | | sq. ft. | |  |

Required fire flow with sprinklers: gpm

Required fire flow without sprinklers: gpm

This building is required to be outfitted with an automatic sprinkler system designed and installed in accordance with:

* NFPA 13-D, One- and Two-Family Dwellings and Mobile Homes, Edition
* NFPA 13-R, Multi-Family Residential Occupancies up to and Including Four Stories in Height, Edition
* NFPA 13, Installation of Automatic Sprinkler Systems, Edition
* Other (describe):

|  |
| --- |
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This sprinkler system was installed to meet the requirement of

MN State Building Code, Chapter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_ Edition

MN State Fire Code, Chapter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_ Edition

Limited application system for special hazard, described as follows:

|  |
| --- |
|  |
|  |

* This sprinkler system was installed as a substitute for:
* Inadequate fire apparatus access.
* Inadequate available fire flow.
* Area increases per Building Code Chapter requirements.
* Height or story increases per Building Code Chapter requirements.
* One-hour fire resistive construction per Building Code Chapter requirements.
* Exit hardware requirements per Building Code Chapter .
* Other as described:

|  |
| --- |
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* This sprinkler system was not required by code, and was installed at the owner’s choice.